NEW!

Classic® 300 HE

EPA Tier 4

Processes
Stick, TIG, MIG(1), Flux-Cored(1), Gouging
(1) CV wire welding with Wire Feed Module

Product Numbers
K3198-1 Classic® 300 HE (Kubota®)

See back for complete specs

Output Range
40-350A DC Welding
3000 Watts AC Generator

Rated Output - Current/Voltage/ Duty Cycle
300A DC/32V/60%
250A DC/30V/100%

Number of Cylinders
3

HP @ Speed (RPM)
Kubota® 24.7 HP @ 1800 RPM

Weight/Dimensions (H x W x D)
1,371 Lbs. (622 kg)
37.1 x 24.3 x 62.8 in.
(943 x 616 x 1594 mm)
To Top of Exhaust Tube
45.5 in. (1156 mm)

Excellent for Pipelines, Construction and Maintenance

The Classic® 300 HE features proven, simple and rugged construction, along with Lincoln Electric's well-known pure DC generator design for excellent performance on pipe, construction and maintenance welding.

FEATURES

NEW!

- **Fuel Efficient Industrial Diesel Engine**
  - 3-cylinder, water-cooled, 1800 RPM engine.
  - Big fuel savings compared to previous engine!
    - Kubota®: 15% at 300A, 30% at low idle vs. Classic® 300 D.
  - Fuel gauge on control panel.
- **Pure DC Generator Welding Output**
  - Produces the welding arc preferred by pipeline operators and contractors for precise control of the arc in demanding code applications.
- **All Copper Windings**
  - Enhances arc stability for a really smooth, high performance arc.
- **Five Current Ranges with Overlap**
  - For stick welding and other processes where slope control is desired. Fine-tuning within each range.
- **300 Amps Output @ 60% Duty Cycle**
  - Welds up to 7/32 in. (5.6 mm) Fleetweld® 5P+ cellulosic and Excalibur® low hydrogen electrode.

THE LINCOLN ELECTRIC GREEN INITIATIVE
Engine Emissions Standard
EPA Tier 4 Compliant
www.lincolnelectric.com/green

APPLICATIONS

- **Pipeline**
- **Construction**
- **Maintenance and Repair**

INPUT **OUTPUT**

D | CC | CV (1) | DC | 3 kW

Kubota®

LINCOLN ELECTRIC 3 YEAR WARRANTY AÑOS DE GARANTIA ANS DE GARANTIE

Two Year Extended Warranty Available in the U.S.A. and Canada.

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LINCOLN ELECTRIC®
THE WELDING EXPERTS®

PERFORMANCE

Arc Performance

- 350 Amp maximum output.
- Arc gouging with up to 3/16 in. (4.7 mm) carbons.
- 2/0 (70 mm^2) cable recommended for 200-250 ft. (61-76 m) combined lengths of electrode and work cables.

Generator Performance

- 3,000 total watts of AC power from a 120V or 240V duplex receptacle for power tools and lights.
- Circuit breaker protection. 120V AC 20 amp output will operate up to a 9 in. (229 mm) grinder.
- Weather-protected receptacle covers.
- GFCI (Ground Fault Circuit Interrupter) is sealed from moisture for more reliable operation.

FEATURES

NEW! • Industrial 3-cylinder, smooth-running, water-cooled diesel engine:
  – Kubota® D1503

NEW! • Fuel gauge on control panel to easily monitor fuel level.

- Engine hour meter to track scheduled maintenance.
- Additional engine gauges indicate oil pressure and engine temperature.
- All day welding with 16 gallon (60.6 liters) plastic fuel tank with combination fuel cap/fuel gauge.
- Oil drain valve and tube are standard.
- Compact size for installation on truck beds.
- Local/Remote switch and receptacle are factory installed for easy connection of the remote control.

Stick Welding

- Optional K924-4 Remote Control Kit for stick welding. Includes remote box and 100 ft. (30 m) cable. Includes local/remote switch and receptacle for older machine control panels. Make fine current adjustments up to 100 ft. (30 m) from the machine.

Wire Welding

- Optional Wire Feed Module for CV-wire welding. Increases productivity and reduces welding costs. Rated at 300 amps, 35 volts at 60% duty cycle, 325 amps, 34 volts at 35% duty cycle. Recommended wire feeders include LN-25 Ironworker™ or Activ8™ Across-the-Arc models. Module has 14-pin connector for Lincoln Electric wire feeders that use a control cable with 115V AC input: LN-7 GMA and LN-8. Built-in contactor for “cold-tip” electrode. (When CV wire welding with optional Wire Feed Module, idler may need to be set to “high” position for low current processes.)
- Optional K2464-1 Remote Control Kit for stick and wire welding is available for machines that have the Wire Feed Module installed. Make output adjustments up to 100 ft. (30 m) from the machine.

KEY CONTROLS

1. **Current Range Selector**
2. **Fuel Gauge/Engine Hour Meter**
   Engine Temperature Gauge
   Oil Pressure Gauge
3. **Engine Battery Charging Light**
4. **Engine Protection Light**
5. **Idler Control**
6. **Run/Stop Switch**
7. **Start Button**
8. **Glow Plug Button**
9. **240V Circuit Breaker @ 15 amps**
10. **Sealed GFCI**
11. **Local/Remote Control Switch**
12. **Local/Remote Receptacle**
13. **120V Circuit Breaker @ 20 Amps**
14. **120V AC Receptacles and Cover**
15. **240V AC Receptacles and Cover**
16. **Fine Current and O.C.V. Adjustment for Stick Welding**

QUALITY AND RELIABILITY

- Both engines have glow plugs for cold weather starting.
- Automatic shutdown protection for low oil pressure or high water temperature with indicator light on control panel.
- Indicator light for a malfunction of the engine battery charging system.
- Electronic engine idler extends engine life and reduces fuel consumption.
- ECU (Engine Control Unit for engine protection, idler and governor) is in a sealed housing for a robust environmental shield
- Single-side engine access for easy routine maintenance.
- Attractive and durable pearlescent gray finish paint.
- Three-year Lincoln Electric warranty (engine is warranted separately by the manufacturer).
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- Canadian Standards Association (CSA) certified.

Cross-country pipe welding.

MACHINE SPECIFICATIONS

Product Name	Ordering Information	Description	Rated DC Output[1] Current/Voltage/ Duty Cycle	DC Current Fine Adjustment Range	Auxiliary Power[2]	Dimensions H x W x L inches (mm)	Weight lbs/(kg)
Classic® 300 HE (Kubota®)	K3198-1	300 Amp DC Arc Welder All Copper Windings Pure DC Power Generator	NEMA Ratings 300A / 32V / 60% 250A / 30V / 100% 90V DC MAX OCV	40 - 350 Amps 220 - Max 160 - 240 120 - 190 80 - 130 Min - 90	3,000 Watts 60 Hz, AC 20 Amps @ 120V with sealed GFCI Module 13 Amps @ 240V	37.1 x 24.3 x 62.8 (943 x 616 x 1594) *To top of exhaust tube: 45.5 (1156)*	1371 (622)

(1) Based on a 10 minute period. High Altitude: Kubota® – for maximum rating, derate the output 4% for every 1,000 ft (300 m) above 4,900 ft (1500 m).
(2) 120V will operate either 60 Hz, or 50/60 Hz power tools, lights, etc.

ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Ignition	Dry Capacities	Operating Speeds	Fuel Consumption
Kubota® D1503 Diesel[3] EPA Tier 4	3 Cylinder 4 Cycle Water-Cooled Diesel Engine Cast Iron Cylinders Block/Crank Case Electronic Governor	24.7 HP @ 1800 RPM 91.5 cu in (1.5 liters)	Compression Ignited	FUEL: 16 Gals (60.6 liters) OIL: 5.9 Qts (5.6 liters) COOLANT: 7.8 Qts (7.4 liters)	FULL LOAD 300A (1,800 RPM) HIGH IDLE 1,800 RPM LOW IDLE 1,440 RPM	1.1 Gals/Hr 4.2 liters/Hr 0.4 Gals/Hr 1.3 liters/Hr 0.3 Gals/Hr 1.0 liters/Hr

(3) Kubota® engine warranty for U.S. and Canada is 2 years/2,000 hours, 3 years major components. Some limitations exist for Canada. See warranty statement for details.

LINCOLN® ELECTRIC
THE WELDING EXPERTS®

SYSTEM SELECTION

Ready-Pak® Welding Package (Assembled)
Order:
K2387-5 Classic® 300 HE Kubota® Ready-Pak® Package

One-Pak® Welding Package (Unassembled)
Order:
K2386-5 Classic® 300 HE Kubota® One-Pak® Package

Get a welding package with one order number.

Each Package Contains:

- Classic® 300 HE (without Wire Feed Module)
- Medium Welder Trailer (K2636-1)
- Duo-Hitch® 2 in. (51 mm) Ball/Lunette Eye Hitch (included)
- Fender and Light Kit (K2639-1)
- Cable Rack (K2640-1)
- Cable Connectors - two (K2487-1)
- Electrode Cable 2/0, two 50 ft. (15.3 m) lengths (K2485-2)
- Electrode Cable 2/0, 10 ft. (3 m) (K2483-2)
- Work Cable 2/0, 50 ft. (15.3 m) (K2484-2)
- 300A Electrode Holder (K909-7)
- 300A Work Clamp (K910-1)

Ready-Pak® Welding Package (Assembled)

One-Pak® Welding Package (Unassembled)
(Only major items shown.)

Classic® 300 HE

K2640-1 Cable Rack

K2636-1 Medium Welder Trailer (shown with K2639-1 Fender & Light Kit)

Duo-Hitch® 2 in. (51 mm) Ball/ Lunette Eye Hitch (included)

RECOMMENDED ACCESSORIES

GENERAL OPTIONS

115 Volt

Power Plug Kit
Provides two 115V plugs rated at 20 amps each, and two 230V plugs rated at 15 amps each. 115V plugs may not be compatible with common household receptacles.
Order K802D

Spark Arrestor Kit
Attaches to muffler exhaust tube. Virtually eliminates spark emissions.
Order K903-1

Shown with optional K2639-1 Fender & Light Kit

Medium Welder Trailer
For heavy-duty road, off-road, plant and yard use. Includes pivoting jack stand, safety chains, and 13 in. (330 mm) wheels. Stiff .120 in. (3.0 mm) welded rectangular steel tube frame construction is phosphate etched and powder coat painted for superior rust and corrosion resistance. Low sway suspension gives outstanding stability with manageable tongue weight. Wheel bearings are packed with high viscosity, high pressure, low washout Lubriplate® grease. Includes a Duo-Hitch® – a 2 in. (51 mm) Ball/Lunette Eye combination hitch. Overall width: 60 in. (1524 mm). Overall length 124 in. (3150 mm).
Order:
K2636-1 Trailer
K2639-1 Fender & Light Kit
K2640-1 Cable Rack

Stainless Steel Sheet Metal Kit
Stainless steel roof and doors. Also includes decals (mounted), door latches, door hooks, bumpers and all required mounting hardware. Fits K6090-9 and -10 Pipeliner® 200D and K1643-1 thru -11 Classic® 300D, Classic® 300 HE, SAE-300®, SAE-300® HE.
Order K2423-1

STICK OPTIONS

Accessory Kit
For stick welding. Includes 35 ft. (10.7 m) 2/0 electrode cable with lug, 30 ft. (9.1 m) 2/0 work cable with lugs, headshield, filter plate, work clamp and electrode holder. 400 amp capacity.
Order K704

Remote Control
Remote control rheostat permits machine output changes up to 100 ft. (30 m) from the machine. Includes local/remote switch and receptacle for older machine control panels.
Order K924-4

TIG OPTIONS

PTA-26V TIG Torch
Air-cooled 200 amp torch equipped with valve for gas flow control. 25 ft. (7.6 m) length.
Order K1783-9

Magnum® Parts Kit for PTA-26V TIG Torch
Magnum® Parts Kit provides all the torch accessories you need to start welding. Parts kit provides collets, collet bodies, a back cap, alumina nozzles and tungstens in a variety of sizes, all packaged in an easy to carry reclosable pack.
Order KP509

TIG Module
Portable, high frequency unit with gas valve for TIG welding. Rated at 300 amps/60% duty cycle.
Order K930-2

Control Cable
Connects welder and TIG Module controls.
Order K936-4

Control Cable Extension
Allows the TIG Module to be operated at distances up to 200 ft. (61.9 m) from the power source. 45 ft. (13.7 m) length.
Order K937-45

Arc Start™ Switch
Needed if an Amptrol™ is not used when TIG welding. Comes with a 25 ft. (7.6 m) cable. Attaches to the TIG torch for convenient finger control.
Order K814

Contactor Kit
For use with TIG Module and Classic® 300D.
Order K938-1

WIRE FEEDER OPTIONS

Wire Feed Module
Provides constant voltage (CV) output with excellent arc stability for Innershield® welding and MIG welding. Easy installation. Recommended wire feeder is the LN-25 Ironworker™.
Order K3964-1

Remote Control Kit (Stick & Wire)
For Classic® and Pipeliner® machines that have the wire feed module. Contains a rheostat for stick output, a potentiometer for wire output and 100 ft. (30 m) of control cable.
Order K2464-1

LN-25 Ironworker™ Wire Feeder
Portable CV unit for flux-cored and MIG welding with MAXTRAC® wire drive system. Includes digital meters for wire feed speed/amperage and voltage, gas solenoid, internal contactor and 5/64 in. (2.0 mm) drive roll kit for cored wire. Has 83% reduced wire feed speed capability for 6 o'clock pipe welding with Innershield® wire.
Order K2614-9

K126™ PRO Innershield® Gun
For self-shielded wire with 15 ft. (4.5 m) cable. For .062-5/64 in. (1.6-2.0 mm) wire. Includes K466-10 Connector Kit.
Order K126-12

Drive Roll and Guide Tube Kit
For .068-.072 in. (1.7-1.8 mm) cored or solid steel wire.
Order KP1697-068

Magnum® PRO 350 Ready-Pak® 15 ft., .035-5/64 in.
Magnum® PRO MIG/flux-cored welding guns are rated 100% duty cycle. The guns are designed for high amperage, high duty cycle applications in extreme environments where heat-resistance and fast serviceability are key.
Order K2652-2-10-45

Drive Roll and Guide Tube Kit
For .035 in. and .045 in. (0.9 mm and 1.1 mm) solid steel wire.
Order KP1696-1

Magnum® SG Spool Gun
Hand held semiautomatic wire feeder. Requires SG Control Module.
Order K487-25

SG Control Module
The interface between the power source and the spool gun. Provides control of the wire speed and gas flow. For use with a spool gun.
Order K488

Input Cable
(For SG Control Module)
For Lincoln engine power sources with 14-pin MS-type connection, separate 115V NEMA receptacles and output stud connections.
Order K691-10

LINCOLN ELECTRIC
THE WELDING EXPERTS®

PRODUCT SPECIFICATIONS

Product Name	Product Number	Rated Output Current/Voltage/ Duty Cycle	Output Range	Engine	Number of Cylinders	HP & Speed (RPM)	H x W x D inches (mm)	Net Weight lbs. (kg)
Classic® 300 HE	K3198-1	250A/30V/100% 300A/32V/60%	Welding: 40-350A DC AC Power: 3,000 watts	Kubota® D1503 Diesel EPA Tier 4	3	24.7 @ 1800	Machine only 37.1 x 24.3 x 62.8 (943 x 616 x 1594) *To top of exhaust tube: 45.5 (1156)*	1371 (622)
Classic® 300 HE One-Pak®	K2386-5							—
Classic® 300 HE Ready-Pak®	K2387-5							—

For best welding results with Lincoln Electric equipment,
always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

Manufactured at a facility with certified ISO Quality and Environmental Management Systems.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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THE WELDING EXPERTS®